## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"4901881".pn.	US-PGPUB; USPAT	OR	ON	2010/01/13 20:12
	73	("0291022"   "0644680"   "0720783"   "0762039"   "0893469"   "0910383"   "1017362"   "1243033"   "1260380"   "1687553"   "2050098"   "2064411"   "2080108"   "2266270"   "2461703"   "2645818"   "2991903"   "3019932"   "3157304"   "3169171"   "3301459"   "3655089"   "3773243"   "3962555"   "4542833").PN. OR ("4901881").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 20:32
L3	33	("1201082"   "2064411"   "2157601"   "3206017"   "3224575"   "3302854").PN. OR ("3862614").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 20:35
L4	17	("2061145"   "2212804"   "2266270"   "2432835"   "3109575"   "3315402").PN. OR ("3901405").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/01/13 20:35
L5	26	(3 4) NOT 2	US-PGPUB; USPAT	OR	ON	2010/01/13 20:37

L17	226	"2080108"   "2876587"   "2900760"   "3170875"   "3447262"   "3768685"   "3862614"   "3883990"   "4418496"   "4901881"   "5036994"   "5142820"   "5758452"   "5848493"   "6189261"). PN. OR ("7000347"). URPN.	US-PGPUB; USPAT; USOCR	OR	MOON	2010/01/13 20:52
L19	53	(US-20040020934-\$ or US-20040000551-\$ or US-20030010787-\$ or US-20020008109-\$ or US-20050218013-\$ or US-20040099663-\$ or US-20030168457-\$ or US-20030102313-\$ or US-20030102313-\$ or US-20020088802-\$).did. or (US-7066346-\$ or US-6073797-\$ or US-5452818-\$ or US-5346088-\$ or US-5273176-\$ or US-5273176-\$ or US-6910598-\$ or US-6708748-\$ or US-6708748-\$ or US-6538419-\$ or US-6457597-\$ or US-6450358-\$ o	US-PGPUB; USPAT; USOCR		2 2	2010/01/13 21:32

mannam		5692633-\$ or US- 5139163-\$ or US- 4901881-\$ or US- 7000347-\$ or US- 3901405-\$ or US- 3862614-\$ or US- 4895270-\$).did. or (US- 2266270-\$ or US- 2064411-\$).did.		***************************************	***************************************	
20	7	("20020008109"   "20020088802"   "20030010787"   "20030102313"   "20030168457"   "20030222083"   "20040000551"   "20040020934"   "20050218013"   "3157308"   "3419181"   "3463349"   "3973719"   "4328905"   "4557414"   "4708257"   "4752016"   "4773557"   "4815628"   "4869389"   "4925051"   "4927048"   "4927048"   "4938379"   "4961510"   "5105964"   "5108003"   "5139163"   "5273176"   "5346088"   "5452818"   "5647497"   "5692633"   "5855288"   "5984127"   "6073797"   "6296137"   "6338418"   "6450358"   "6457597"   "6708748"   "6910598"   "7017769"   "7066346"   "D448669").PN.	US-PGPUB; USPAT	OR	NON	2010/01/13 21:32
L21	5	19 NOT 20	US-PGPUB; USPAT	OR	ON	2010/01/13 21:32
L22	14	17 NOT (3 4 2)	US-PGPUB; USPAT	OR	ON	2010/01/13 21:35
S1	2	"US 20060060584"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/05/12 14:34
S2	5	((YOSHIO) near2 (ONODA)).INV.	EPO; JPO; DERWENT	OR	ON	2008/05/15 08:23

S3	2	("4815628"   "5139163"). <b>PN</b> .	US-PGPUB; USPAT	OR	ON	2008/05/15 15:17
54	43	("2731056"   "2731751"   "20010022304"   "20010042729"   "20040000551"   "20040020934"   "3246786"   "3268198"   "3598271"   "3606074"   "3883036"   "4127211"   "4361250"   "4775063"   "4869389"   "4925051"   "4938379"   "4951832"   "5123558"   "5123558"   "5123558"   "5123558"   "5123558"   "5273176"   "5273176"   "5273182"   "5273182"   "5273182"   "5540611"   "5531353"   "5540611"   "5570797"   "5570797"   "5570797"   "5695086"   "5722558"   "5839598"   "6073797"   "6089519"   "6276551"   "6338418"   "7017769"   "7021481"   "7066346"   "D448669"). PN.	US-PGPUB; USPAT	R	NON CONTRACTOR OF THE PROPERTY	2008/05/15
S5	193	220/256.1.ccls.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:06
S6	63	220/258.1.ccls.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:06
S7	207	220/258.2.ccls.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:06
S8	192	220/258.3.ccls.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:06
S9	320	220/780.cds.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:06
S10	62	220/730.cds.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:06
S11	2	"US 20060060584"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/05/15 16:07
S12	2	("4815628"   "5139163").PN.	US-PGPUB; USPAT	OR	ON	2008/05/15 16:07

S13 19	90	S8 NOT (S4 S11 S12)	US-PGPUB; USPAT	OR	ON	2008/05/15 16:07
S14 19	90	S8 NOT (S4 S11 S12)	US-PGPUB; USPAT	OR	ON	2008/05/15 16:08
S15 18		S7 NOT (S8 S6 S4 S11 S12)	US-PGPUB; USPAT	OR	ON	2008/05/15 16:21
516		(US-20040020934-\$ or US-20040000551-\$ or US-20030010787-\$ or US-20020008109-\$ or US-20050218013-\$ or US-20030222083-\$ or US-20030168457-\$ or US-20030168457-\$ or US-20030102313-\$ or US-20020088802-\$).did. or (US-7066346-\$ or US-6073797-\$ or US-5452818-\$ or US-5346088-\$ or US-5346088-\$ or US-4938379-\$ or US-4925051-\$ or US-6708748-\$ or US-6708748-\$ or US-5855288-\$ or US-5105984-\$ or US-5105964-\$ or US-5984127-\$ o	US-PGPUB; USPAT	OR	N	2008/05/15

S17	652	("1706561"   "1879517"	US-PGPUB:	OR	ON	2008/05/15
	302	"1950173"	USPAT; USOCR		) <b>1</b>	16:38
		"1985904"	33/71, 3330/1			10.00
		"20020084241"				
		"2044677"   "2106453"				
		"2120403"   				
		"2281649"   "2299730"				
		"2413449"				
		"2614406"   "2634012"				
		"2752971"				
		"2804201"   "2817453"				
		"2817454"				
		"2839229"   "2937481"				
		"2957614"				
		"3003668"   "3048317"				
		"3065875"				
		"3072517"   "3112824"				
		"3197089"				
		"3204805"   "3247993"				
		"3250564"				
		"3263855"   "3269586"				
		"3307746"				
		"3335893"   "3362563"				
		"3362572"			-	
		"3383008"   "3391847"				
		"3419181"   				
		"3429478"   "3434651"				
		"3438533"   			-	
		"3460310"   "3471992"   "3525454"				
		"3537610"   "3554369"   "3561668"				
		"3592349"   "3601253"				
		"3601439"				
		"3622034"   "3627121"				
		"3638787"				
		"3690504"   "3690509"				
		"3704805"				
		"3708091"   "3721362"				
		"3726432"				
		"3734360"   "3744626"				
		"3756395"				
		"3785519"   "3800502"				
		"3805993"				
		"3811561"   "3834525"				
		"3843016"				
		"3844439"   "3860162"				
		"3905512 <sup>"</sup>				
		"3924777"   "3927794"				
		"3938695"				
		"3940012"   "3949898"				
		"3957097"				
		"3981412"   "4014459"				
		"4027776"				
		"4039101"   "4054205"				
		"4065909"				
		"4080989"   "4081103"			***************************************	
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"4098439"   "4118331"   "4118203"   "4127212"   "4138033"   "4151696"   "4157147"   "4160223"   "4167234"   "4177033"   "4184604"   "4177333"   "4184604"   "4190147"   "4190187"   "4190187"   "4209126"   "4209126"   "4209126"   "4209126"   "4209126"   "4209126"   "4209126"   "4209136"   "4209136"   "4209136"   "4209136"   "4209136"   "4209136"   "4209136"   "4209136"   "4209138"   "420					
"4113135"   "4116331"	"4098439"				
"4125203"       "4138033"       "4151698"   "4157147"       "4162023"       "4167234"   "4171084"       "4167234"   "4171084"       "4179393"       "4184604"   "4186842"       "4190187"   "4194645"       "4190187"   "4194645"       "4190187"   "4211338"       "4209126"       "4209126"       "421036"   "4243156"       "4270335"       "4270335"       "4280663"   "4280653"       "4270335"       "4280601"   "4303171"       "4309700"   "4303171"       "430260"   "4366914"       "4408697"       "441623"       "4441623"       "4441623"       "4443943"       "445346"   "4457447"       "4453646"   "4457447"       "4453646"   "4457447"       "44593431"       "4503992"   "4508235"       "4511057"       "4518066"   "4520942"       "457267"       "451023"   "4640429"       "460454"       "4607937"   "4604029"       "4673099"   "4679702"       "4708257"   "4709632"       "4716510"   "477039"       "472865"   "471450"       "472865"   "471450"       "472865"   "471450"       "472865"   "4779044"   "4795043"       "4708257"   "4768669"       "4771905"       "4718510"   "4775043"       "472865"   "4776866"       "4771905"       "4789070"       "4811860"       "4811860"       "4811860"       "4811860"       "4811860"       "4811860"       "4811860"       "4811860"       "4811860"       "48	\$1				
"4127212"   "4133447"					!
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"4151688"   "4167147"					
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"4162023"       "4167234" "4171084"       "4177933"       "4184604" "4186842"       "4190174"       "4190187"   "4194645"       "4190187"   "4194645"       "4196841"       "4209898"   "4209107"       "4209126"       "4210256"   "4211338"       "4216050"       "4230518"   "4243156"       "4270335"       "4273273"   "4280653"       "42703273"   "4280653"       "4281502"       "4300700"   "4303171"       "4331255"       "4350260"   "4366914"       "4408697"       "441102"   "441629"),     PN, OR ("4416383"       "4438650"   "4446429")       "4438650"   "4457447"       "4439431"       "4503992"   "4508235"       "4511057"       "4516096"   "4520942"       "4587326"       "456113"   "4574966"       "4579257"       "4586742"   "4574966"       "4679025"   "4679702"       "4651890"       "4679309"   "4679702"       "4708257"   "4709832"       "4714167"       "4718510"   "471909"       "472666"       "4724655"   "4719003"       "47266618"       "481660"       "481660"       "481660"       "481660"       "4816618"       "4816618"	"4151698"   "4157147"				
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"4177933"       "4184604"   "4186842"       "4190174"       "4190174"       "4191878"   "4194645"       "4191878"   "4209107"       "420926"   "4209107"       "420926"   "4211338"       "4210256"   "4241138"       "4270335"   "4243156"       "4273273"   "4280653"       "4281502"       "4300700"   "4303171"       "4331255"       "4360260"   "4366914"       "4408697"       "4416289"). PN. OR ("4416383"       "4438850"   "4416262"). PN. OR ("4416383"       "4438850"   "4441623"       "4442947"       "4453646"   "4457447"       "4453646"   "457496"       "4511057"       "4511057"       "4518096"   "457996"       "456173736"       "458742"   "4596330"       "4608454"       "4609132"   "4618459"       "4609577"       "4627537"   "4679702"       "4703873"       "4708257"   "4709832"       "4714167"       "4715510"   "4717039"       "472666"   "472666"       "4724655"   "4714150"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "4771905"       "47815618"       "4811660"   "4814031"       "48116618"       "4811660"   "4814031"       "4815618"       "4816618"       "481661					
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"4848565"			anna a	
"4856674"   "4865233"				
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"4883187"   "4884707"				
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"5054641"   "5054642"			nama.	
"5065862"			· · · · · · · · · · · · · · · · · · ·	
"5071019"   "5088269"			annan.	
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S21	3	S19 S20	US-PGPUB; USPAT	OR	ON	2008/05/15 16:43
S22	72	(seal elast\$3 polystyrene polypropylene) and (thick\$4 near8 (mm millimeter in inch)) and (S17)	US-PGPUB; USPAT	OR	ON	2008/05/15 16:44
S23	89	(thick\$4 near8 (mm millimeter in inch)) and S17	US-PGPUB; USPAT	OR	ON	2008/05/15 16:44
S24	1	"4328905".pn.	US-PGPUB; USPAT	OR	ON	2009/03/11 15:35

## **EAST Search History (Interference)**

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